**Figure 1**

Row- Wise

$\frac{1}{\sqrt{Q_{LL}}}$	$\frac{\sqrt{Q_{LL}}}{Q_{HL}}$
---------------------------	--------------------------------

Col- Wise

$\frac{1}{\sqrt{Q_{LL}}}$	
$\frac{\sqrt{Q_{LL}}}{Q_{LH}}$	$\frac{Q_{HL}}{Q_{HH}\sqrt{Q_{LL}}}$

Set  $Q_{LL}$  equal to 1 when is not at the top level K

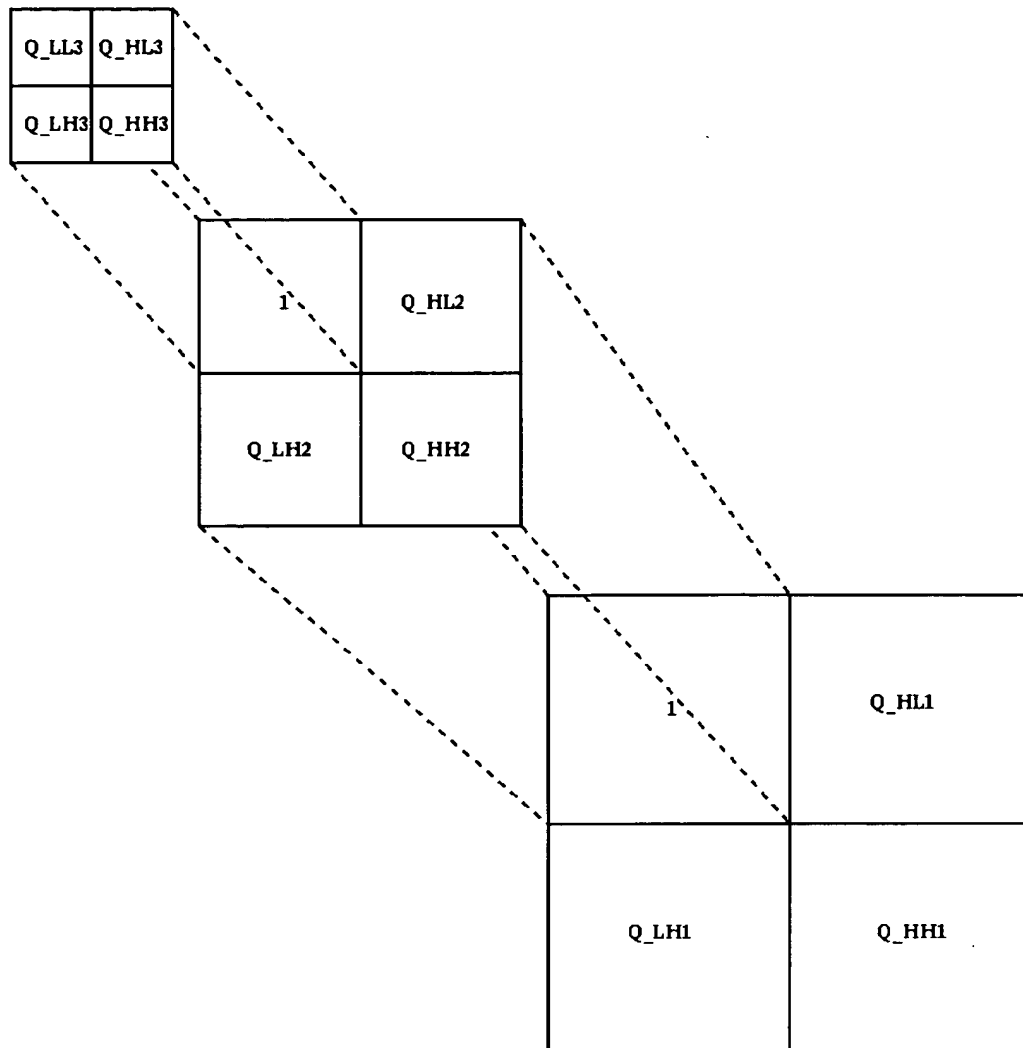
Figure 2

Resolution 1 (LL1)	Resolution 1 Horizontal Orientation Sub-Image (HL1)	Low-Frequency Coefficients (LL2)	Resolution 2 Horizontal Orientation (HL2)	Resolution 1 Horizontal Orientation (HL1)
		Resolution 2 Vertical Orientation (LH2)	Resolution 2 Diagonal Orientation (HH2)	
Resolution 1 Vertical Orientation Sub- Image (LH1)	Resolution 1 Diagonal Orientation Sub- Image (HH1)	Resolution 1 Vertical Orientation (LH1)		Resolution 1 Diagonal Orientation (HH1)

(a)

(b)

Figure 3

**Figure 4**

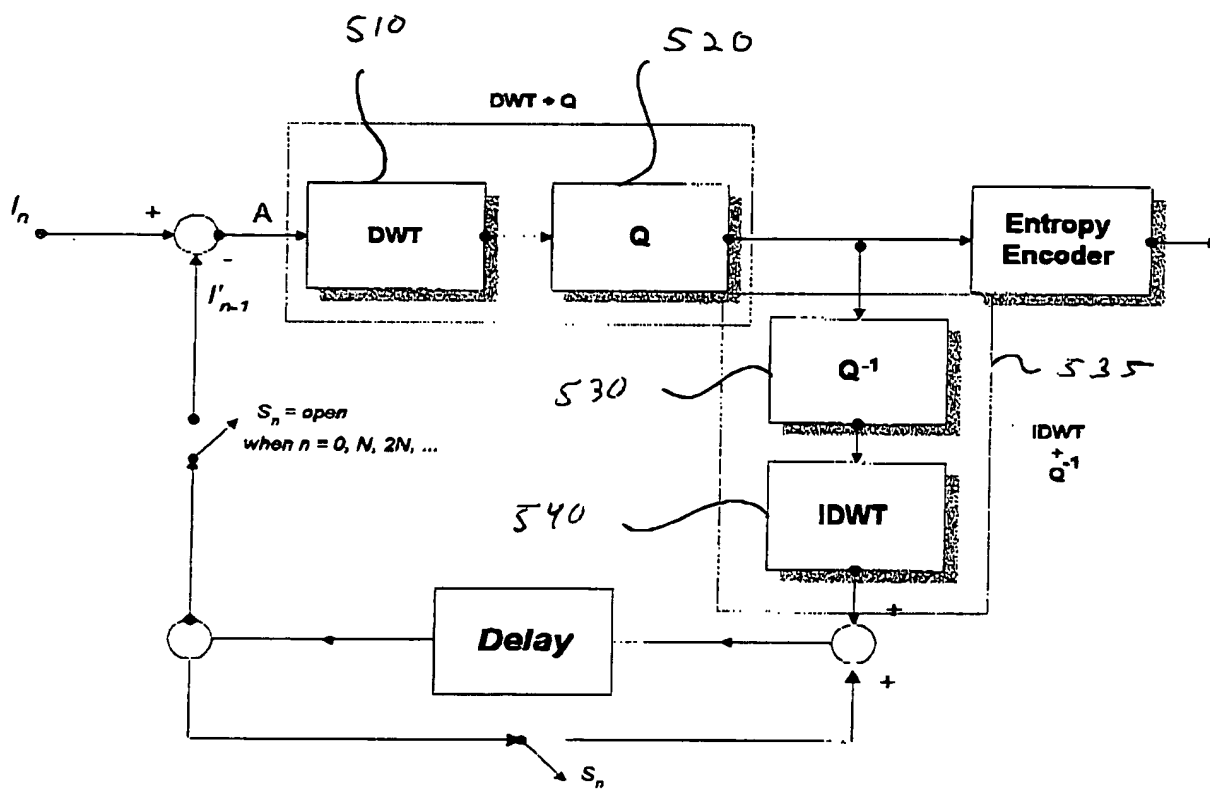


Figure 5

Row-Wise

$\sqrt{Q_{LL}}$	$\frac{Q_{HL}}{\sqrt{Q_{LL}}}$
-----------------	--------------------------------

Col-Wise

$\sqrt{Q_{LL}}$	
$\frac{Q_{LH}}{\sqrt{Q_{LL}}}$	$\frac{Q_{HH}\sqrt{Q_{LL}}}{Q_{HL}}$

Set  $Q_{LL}$  equal to 1 when is not at the top level K

Figure 6